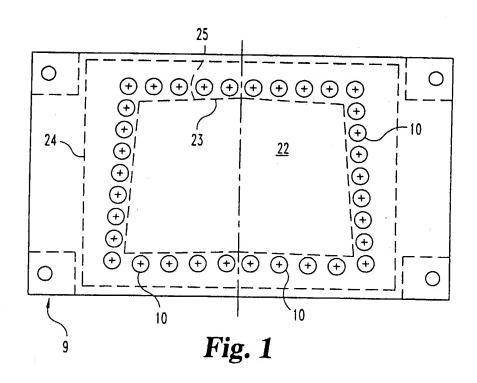
Ralph Roper 19071-14 SOFT-START, SOFT-RETURN GAS SPRING POC: R. Randall Frisk 317-634-3456 Page 1 of 31



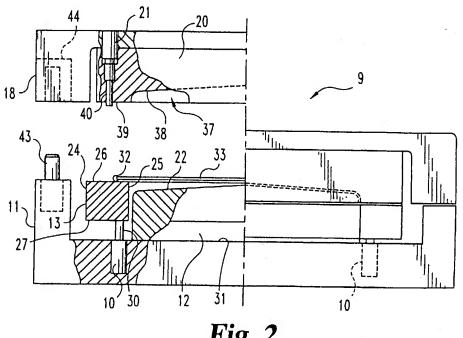


Fig. 2

Ralph Roper 19071-14 SOFT-START, SOFT-RETURN GAS SPRING POC: R. Randall Frisk 317-634-3456 Page 2 of 31

ν,

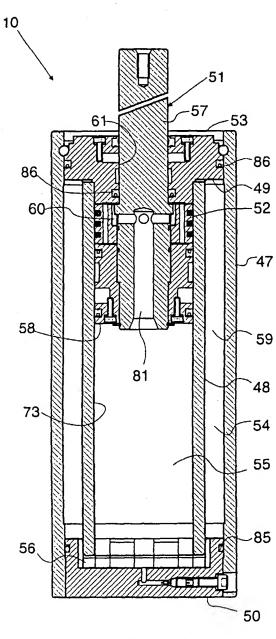


Fig 3

Ralph Roper 19071-14 SOFT-START, SOFT-RETURN GAS SPRING POC: R. Randall Frisk 317-634-3456 Page 3 of 31

 $\chi_{i}\chi_{i}$

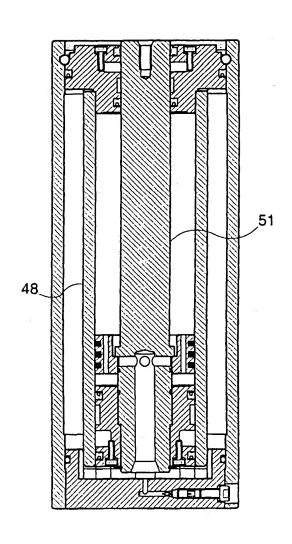


Fig. 4

Ralph Roper 19071-14 SOFT-START, SOFT-RETURN GAS SPRING POC: R. Randall Frisk 317-634-3456 Page 4'of 31

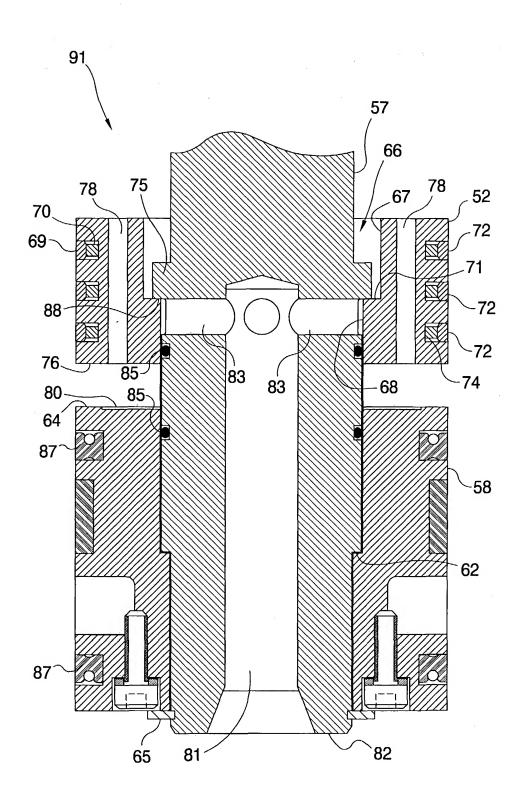


Fig. 5

Ralph Roper 19071-14 SOFT-START, SOFT-RETURN GAS SPRING POC: R. Randall Frisk 317-634-3456 Page 5 of 31

1, 1

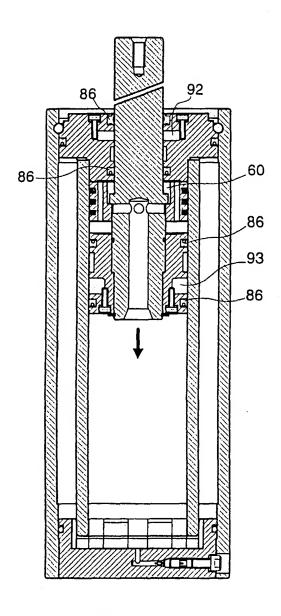


Fig 6

Ralph Roper 19071-14 SOFT-START, SOFT-RETURN GAS SPRING POC: R. Randall Frisk 317-634-3456 Page 6 of 31

1/1

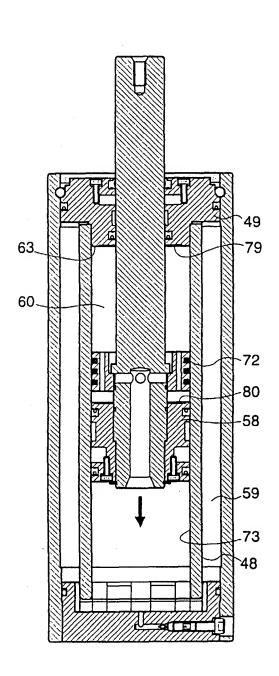


Fig 7

Ralph Roper 19071-14 SOFT-START, SOFT-RETURN GAS SPRING POC: R. Randall Frisk 317-634-3456 Page 7 of 31

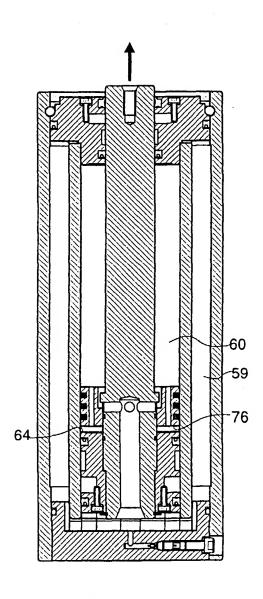


Fig 8

Ralph Roper 19071-14 SOFT-START, SOFT-RETURN GAS SPRING POC: R. Randall Frisk 317-634-3456 Page 8 of 31

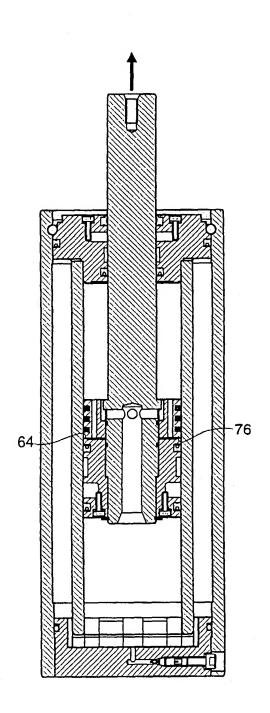


Fig 9

Ralph Roper 19071-14 SOFT-START, SOFT-RETURN GAS SPRING POC: R. Randall Frisk 317-634-3456 Page 9 of 31

Force Chart Soft-Start, Soft-Return Nitrogen Gas Spring (5-Ton x 6" Stroke Model @ 2,000 psi N₂ Charge)

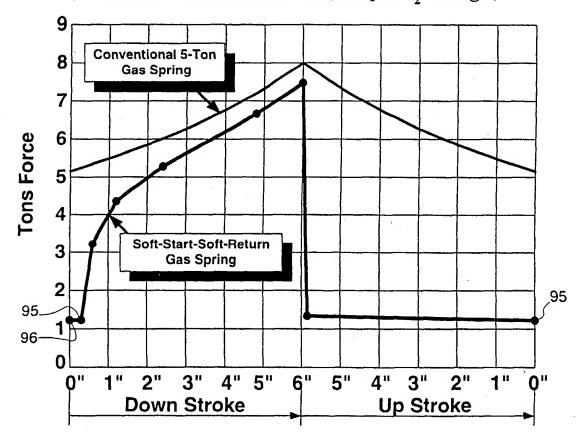
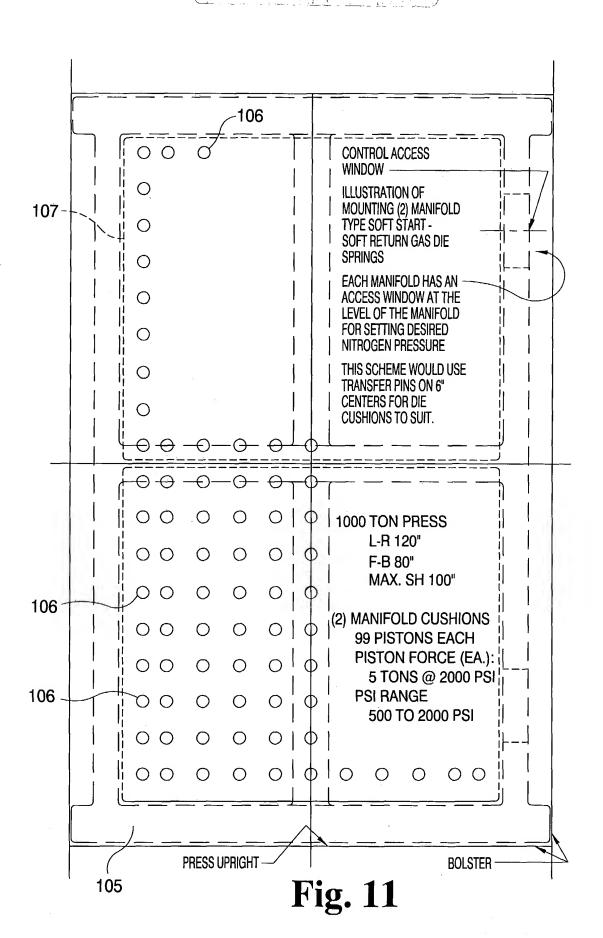


Fig. 10

Ralph Roper 19071-14 SOFT-START, SOFT-RETURN GAS SPRING POC: R. Randall Frisk 317-634-3456 Page 10 of 31



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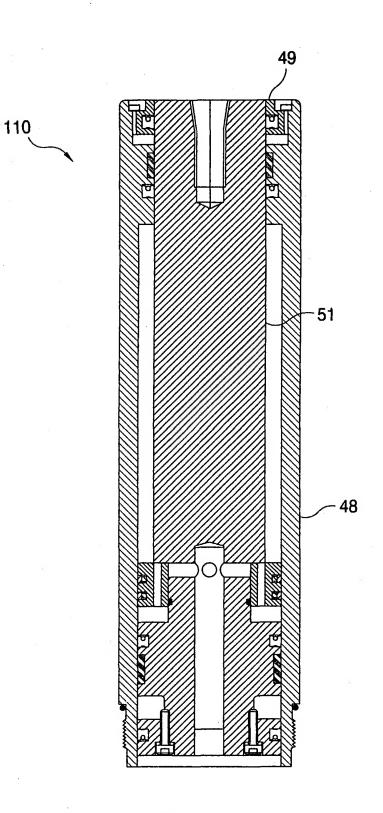
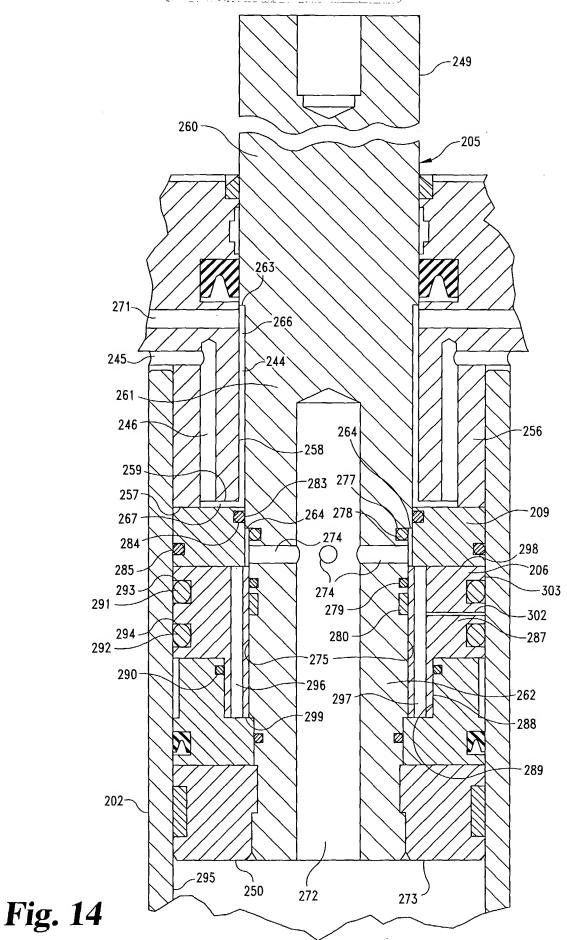


Fig. 12

19071-14 SOFT-START, SOFT-RETURN GAS SPRING POC: R. Randall Frisk 317-634-3456 Page 12 of 31 200 205 203 269 268 249 271 245 258~ 243-.256 266 259 -257 242~ -209 267 206 230-236--211 237-254 233 -233 253 231 232 -231 238 -255 223 -240 250 227~ -210 -226 215 213 229-216 -214 225 239 224 220-219-218-202-212 201-221 Fig. 13 204

Ralph Roper

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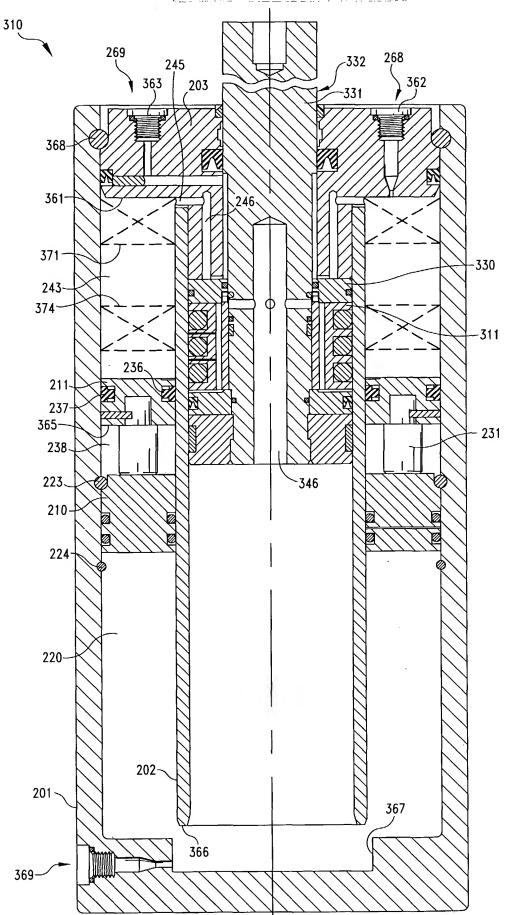


Fig. 15

Ralph Roper 19071-14 SOFT-START, SOFT-RETURN GAS SPRING POC: R. Randall Frisk 317-634-3456 Page 15 of 31

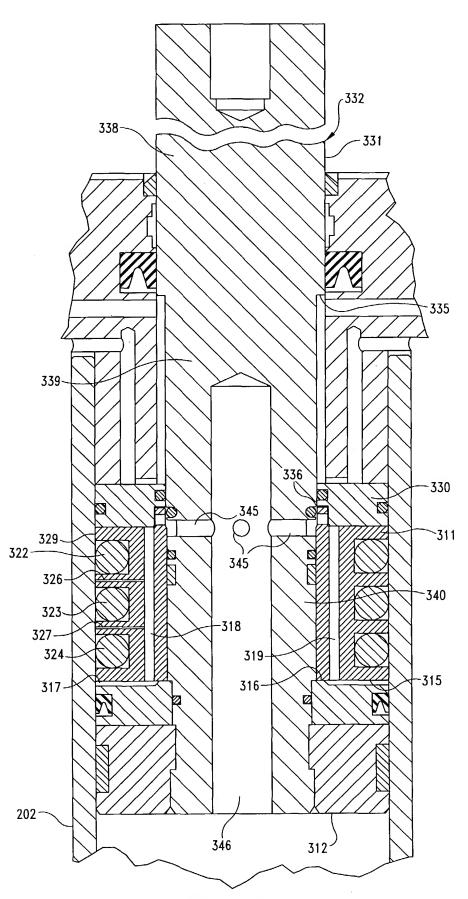


Fig. 16

Ralph Roper 19071-14 SOFT-START, SOFT-RETURN GAS SPRING POC: R. Randall Frisk 317-634-3456 Page 16 of 31

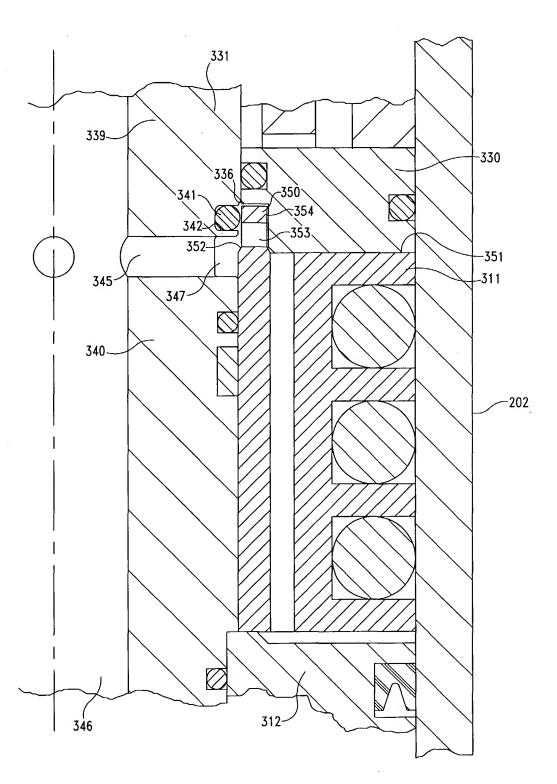


Fig. 17

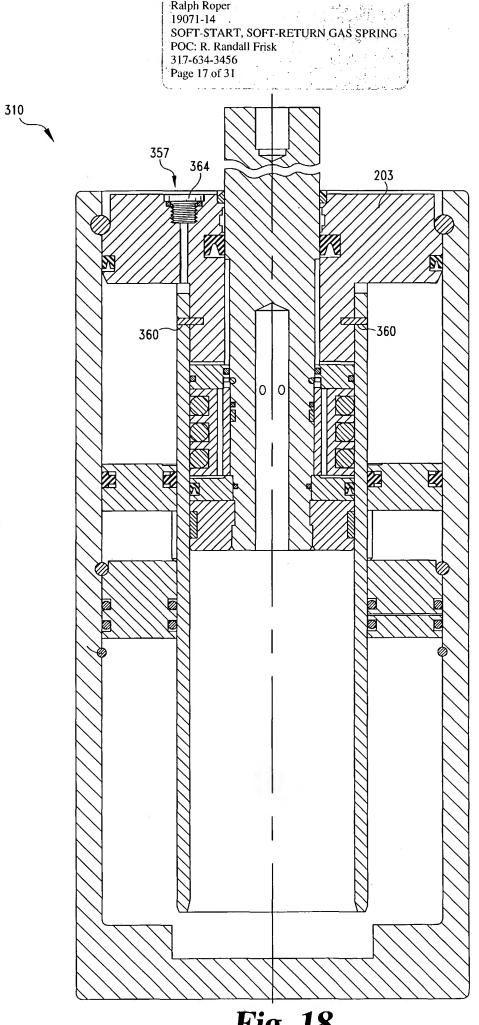


Fig. 18

Ralph Roper 19071-14 SOFT-START, SOFT-RETURN GAS SPRING POC: R. Randall Frisk 317-634-3456 Page 18 of 31

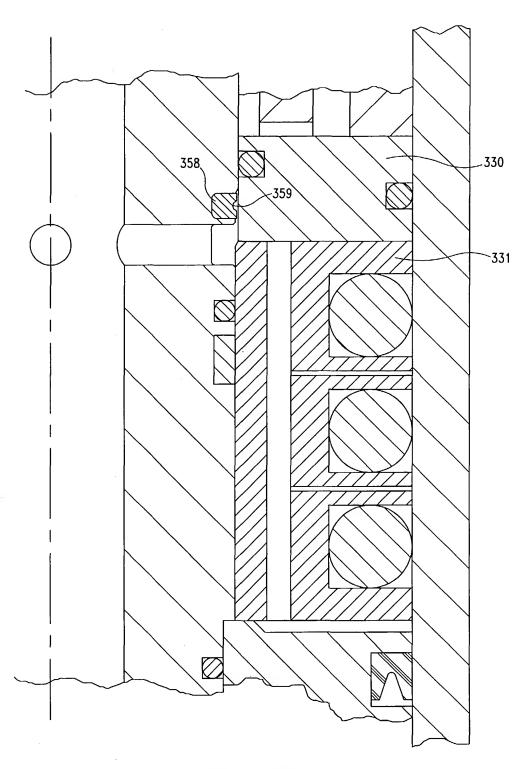


Fig. 19

Ralph Roper 1907.1-14 SOFT-START, SOFT-RETURN GAS SPRING POC: R. Randall Frisk 317-634-3456 Page 19 of 31 -331 - 332 -330 242~ 311 ф. -356 211-S FTP1 238-312 -346-220-

Fig. 20

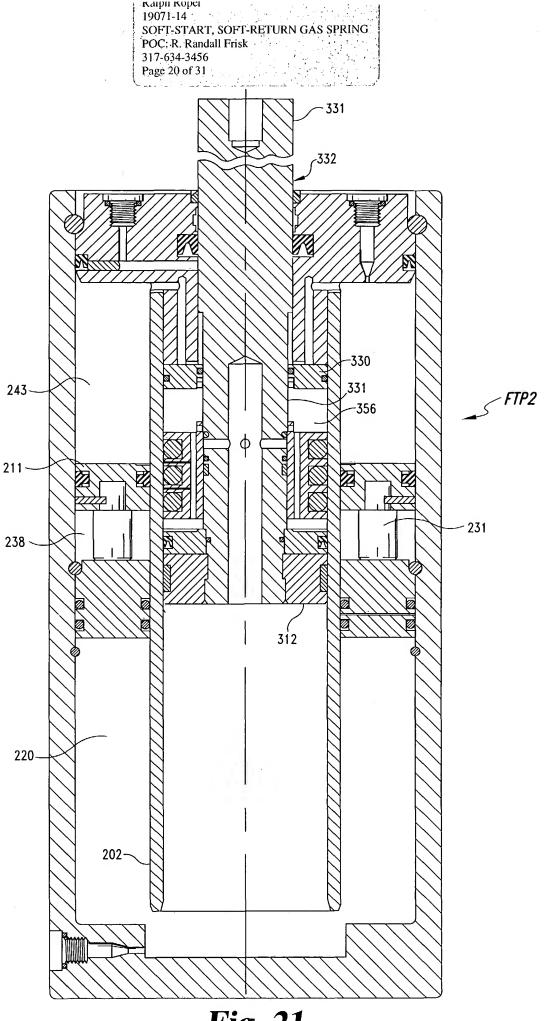


Fig. 21

POC: R. Randall Frisk 317-634-3456 Page 21 of 31 -331 203 - 332 245 246-243 -242-244 211-330 356 238 φ 210

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SOFT-START, SOFT-RETURN GAS SPRING

Fig. 22

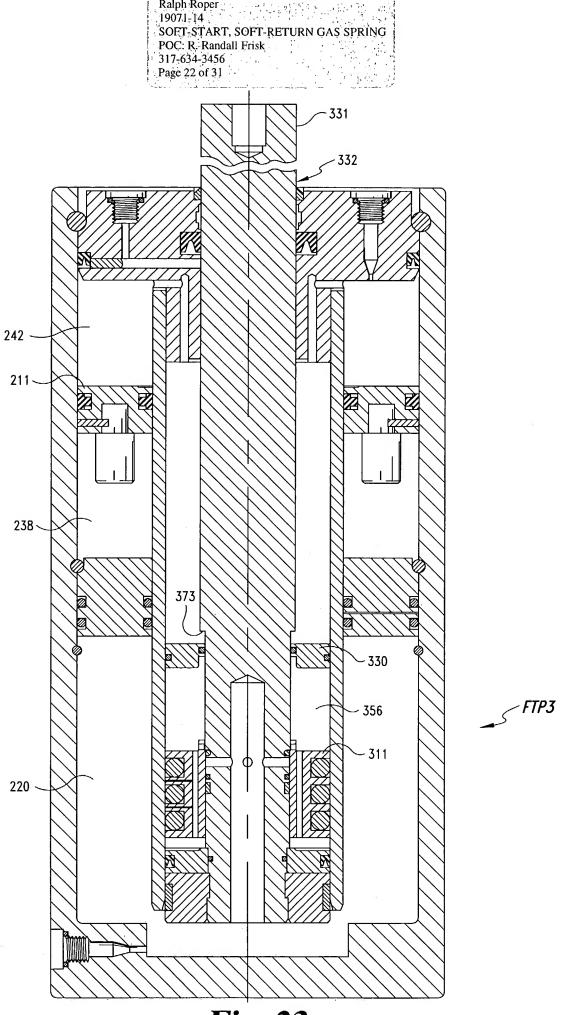


Fig. 23

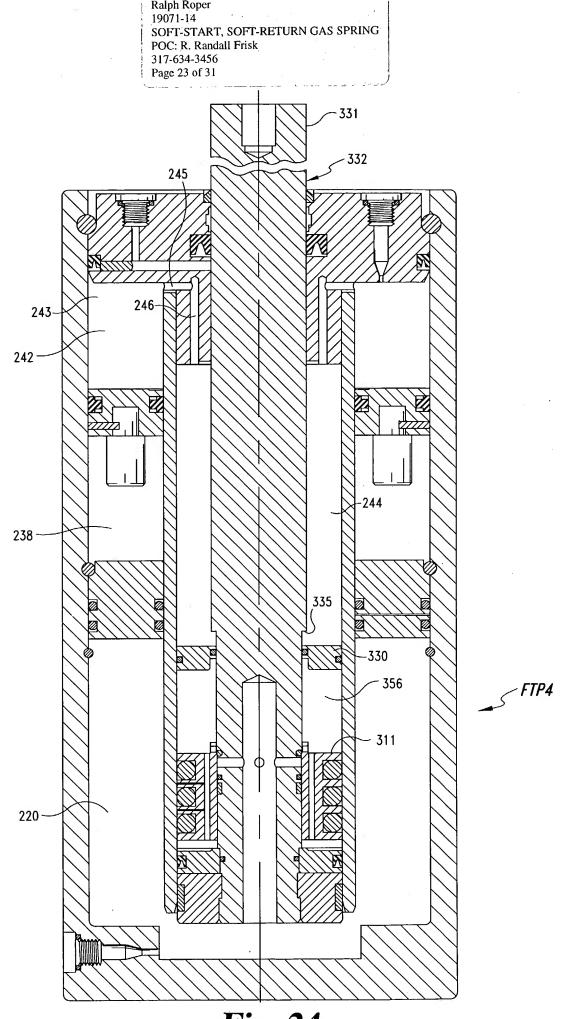


Fig. 24

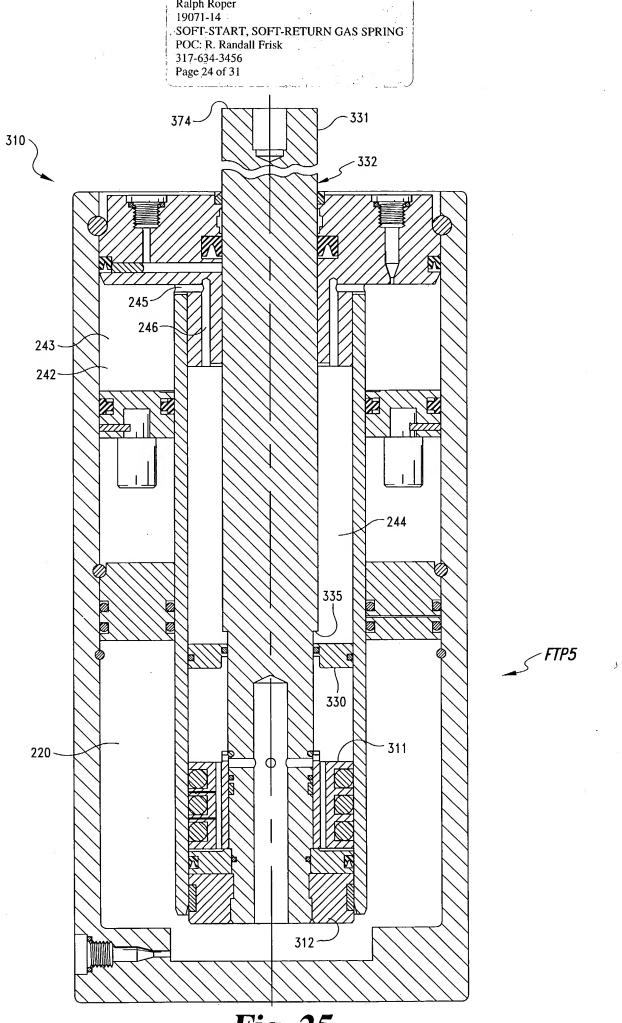
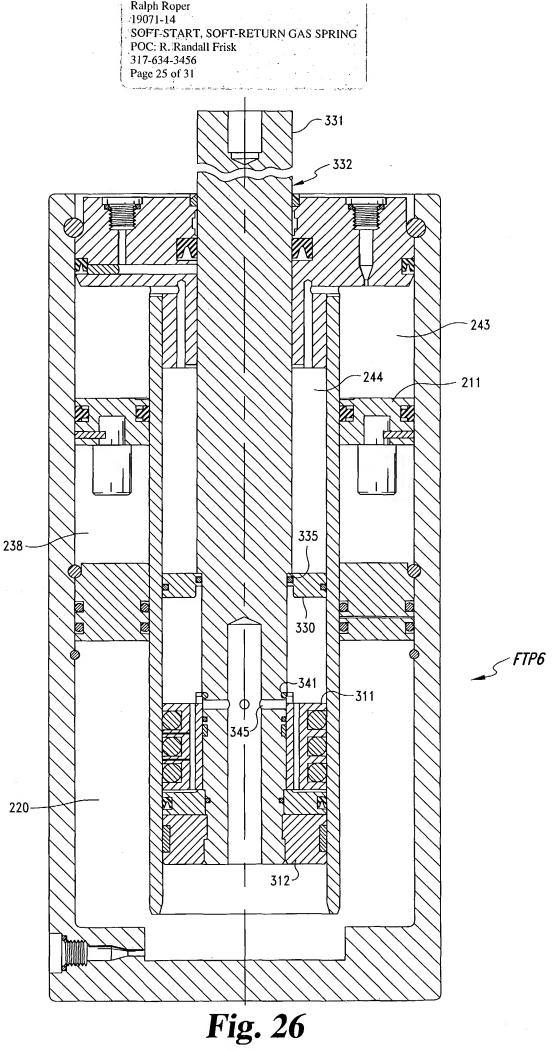


Fig. 25



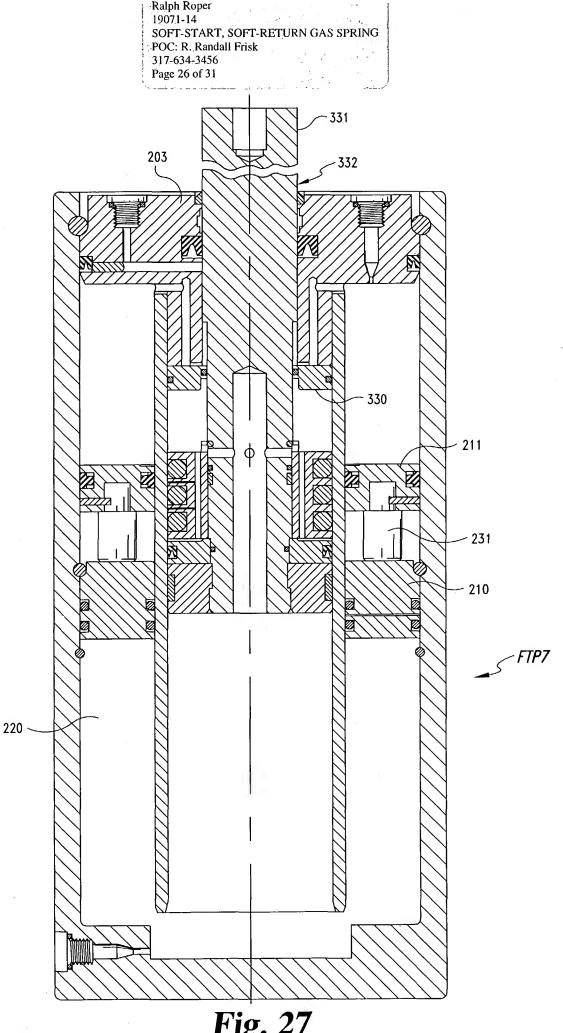


Fig. 27

Ralph Roper 19071-14 SOFT-START, SOFT-RETURN GAS SPRING POC: R. Randall Frisk 317-634-3456 Page 27 of 31

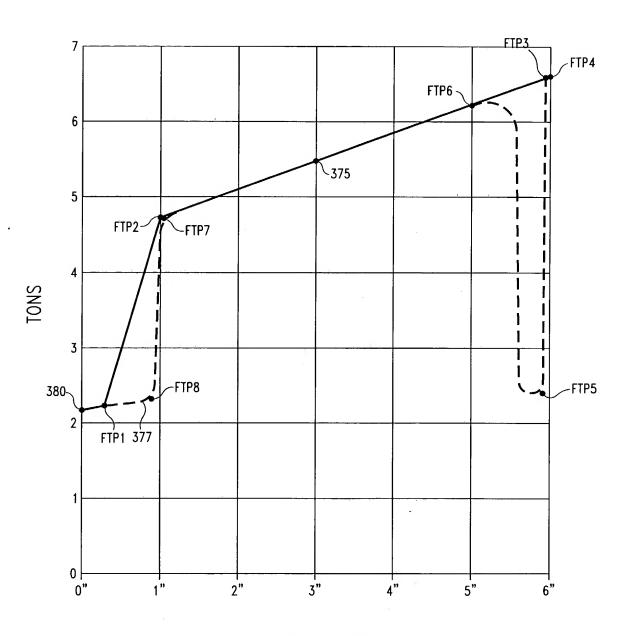
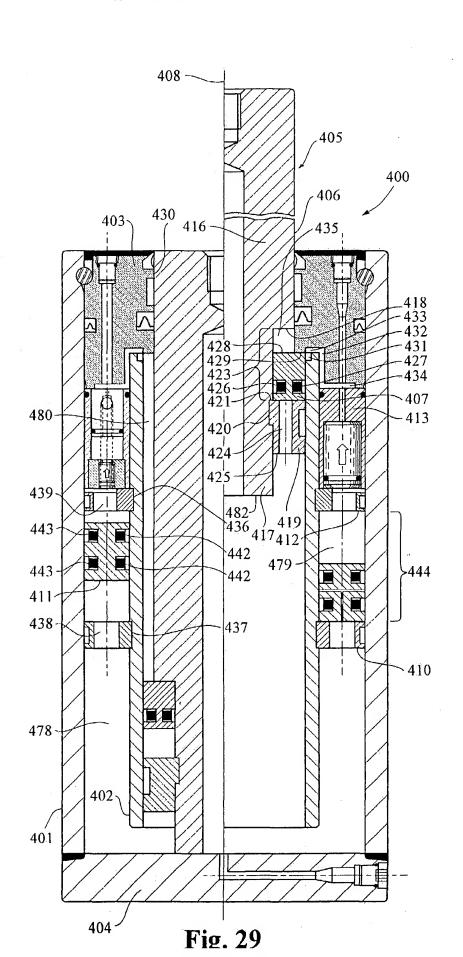


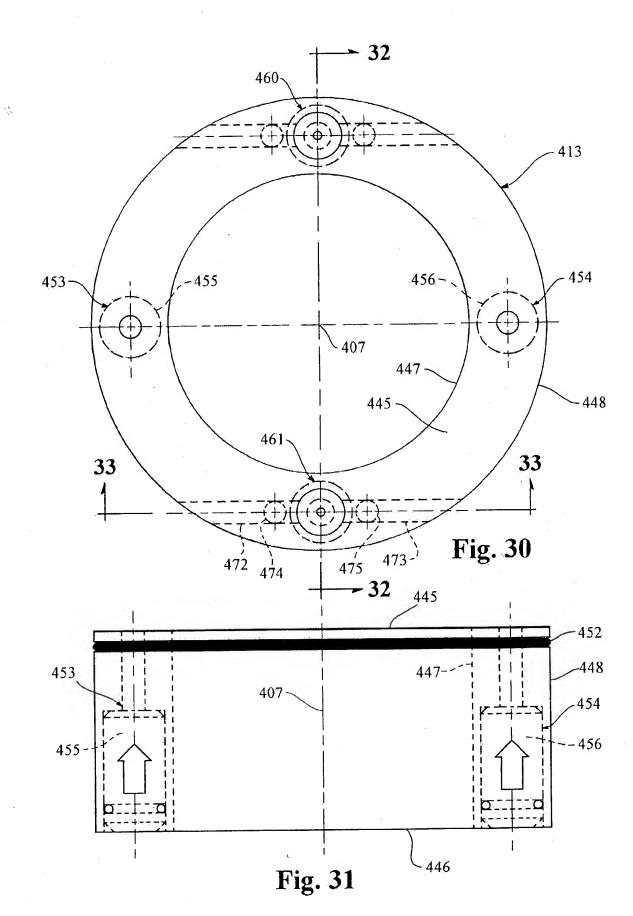
Fig 28

Ralph Roper 19071-14 SOFT-START, SOFT-RETURN GAS SPRING POC: R. Randall Frisk 317-634-3456 Page 28 of 31

 $i_{i'}^{I_{I}}$







Ralph Roper 19071-14 SOFT-START, SOFT-RETURN GAS SPRING POC: R. Randall Frisk 317-634-3456 Page 30 of 31

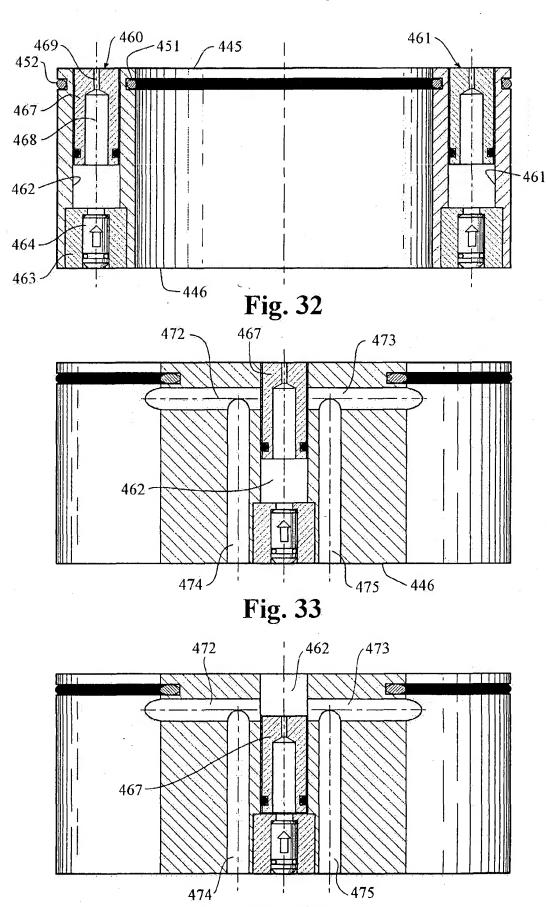


Fig. 34

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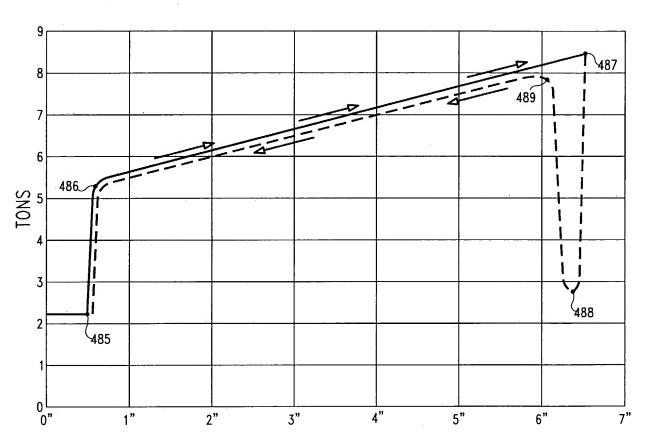


Fig. 35